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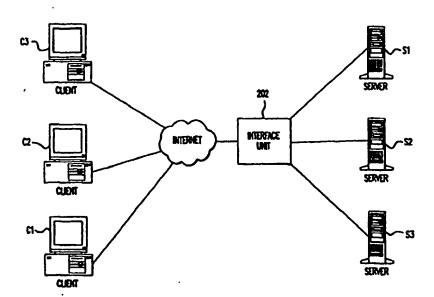
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(54) Title: INTERNET CLIENT-SERVER MULTIPLEXER



(57) Abstract

An apparatus, method and computer program product for network client server multiplexing. The apparatus is implemented within an interface unit (202) connecting a plurality of servers (s1, s2, s3) to the Internet, which is connected to a plurality of clients (c1, c2, c3). According to a "connection pooling" aspect of the invention, the interface unit (202) opens and maintains connections with the servers (s1, s2, s3) and handles the opening and closing of connections with clients (c1, c2, c3) accessing the servers, thereby freeing the servers of the processing load incurred by opening and closing connections. According to a "connection distribution" aspect of the invention, the interface

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INTERNATIONAL SEARCH REPORT

International application No. PCT/US99/26442

	SSIFICATION OF SUBJECT MATTER						
IPC(7) :COGP 13/00, 17/00							
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	LDS SEARCHED						
	focumentation searched (classification system follows	of hy classification symbols)					
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U.S. :	709/203, 217						
Documenta	Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched						
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)							
C. DOC	CUMENTS CONSIDERED TO BE RELEVANT						
Category*	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.				
Y	US 5,852,717 A (Bhide et al) 22 Decer fig. 6.	1-11, 20-30					
Y, P	US 5,918,013 A (Mighdoll et al) 29 Ju col. 15, lines 1-68	1-11, 20-30					
Y	Zheng Wang et al. (Prefectching in wof computer science, University Colleg November 18-22, 1996, pages 28-32.	1-11, 20-30					
Y	Mogul, J.C. (The case for persistent of communication Review Conference Ti (USA), August 1995, vol. 25, no. 4,						
Furt	her documents are listed in the continuation of Box (C: See patent family annex.					
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INTERNATIONAL SEARCH REPORT

International application No. PCT/US99/26442

Bex 1 Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)				
This interastional report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:				
1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:				
Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:				
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).				
Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)				
This International Searching Authority found multiple inventions in this international application, as follows:				
1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.				
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.				
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:				
4. X No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the inversion first mentioned in the claims; it is covered by claims Nos.: 1-11, 20-30				
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.				
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